

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Withdrawn) A tungsten-based catalyst for a fuel cell comprising $H_{0.53}WO_3$ dispersed on a catalyst support.
2. (Withdrawn) The catalyst of claim 1 wherein the catalyst support is carbon black.
3. (Withdrawn) The catalyst of claim 2 wherein the catalyst contains about 20% tungsten by weight.
4. (Withdrawn) A method of making a tungsten-based catalyst for a fuel cell, comprising:
 - a) heating ammonium metatungstate in an inert atmosphere to form $(NH_4)_{0.33}WO_3$; and
 - b) heating the $(NH_4)_{0.33}WO_3$ in a hydrogen-containing atmosphere to form $H_{0.53}WO_3$.
5. (Withdrawn) The method of claim 4 wherein the ammonium metatungstate is heated at about 490 °C.
6. (Withdrawn) The method of claim 5 wherein the ammonium metatungstate is dehydrated prior to heating at about 490 °C.
7. (Withdrawn) The method of claim 6 wherein the ammonium metatungstate is dehydrated at a temperature from about 120 °C to about 200 °C.
8. (Withdrawn) The method of claim 5 wherein prior to heating the ammonium metatungstate has been dispersed on a carbon black support.

9. (Withdrawn) The method of claim 8 wherein after the ammonium metatungstate has been dispersed on the support, the support contains about 20% tungsten by weight.
10. (Currently amended) A fuel cell comprising an anode and a cathode wherein the anode and cathode are comprised of an electrocatalyst which consists essentially of a hydrogen tungsten bronze-based electrocatalyst, and wherein neither the anode nor the cathode comprises a platinum group metal.
11. (Original) The fuel cell of claim 10 wherein the tungsten-based electrocatalyst is $\text{H}_{0.53}\text{WO}_3$ dispersed on a carbon black support.
12. (Original) The fuel cell of claim 11 wherein the electrocatalyst contains about 20% tungsten by weight.
13. (Original) The fuel cell of claim 11 wherein the anode and cathode are separated by a polymer membrane.
14. (Original) The fuel cell of claim 13 wherein the polymer membrane is a perfluorosulfonic acid polymer.
15. (Original) The fuel cell of claim 14 wherein the fuel cell uses hydrogen as a fuel and air as an oxidant.
16. (Original) The fuel cell of claim 10 wherein the fuel cell is a PEM-type fuel cell.